

What is Claimed:

1. A device for mixing and dispensing multi-component compositions, in particular for dental purposes, with a cartridge with at least two cylindrical chambers arranged in parallel for receiving the components and in each case a plunger for discharging the components, the chambers having outlet openings which are covered by a cap, which has an outlet tube enclosing a mixing helix, the cap being movable from a position closing the outlet openings into a position releasing them, wherein the cap can be moved into the open position by the pressure of the components while they are being discharged and a transverse wall which extends toward the cap and on which the mixing helix is fitted is provided on the cartridge between the outlet openings.
- 15 2. The device as claimed in claim 1, wherein the cap is rotatable with respect to the cartridge and in the closed state encloses the transverse wall in such a way that this turning movement is prevented.
- 20 3. The device as claimed in claim 1, wherein the mixing helix is flexible.
4. The device as claimed in claim 1, comprising latching means for the closed and open positions.
- 25 5. The device as claimed in claim 4, wherein the latching means for the open position has a greater holding force than the latching means for the closed position.
- 30 6. The device as claimed in claim 4, wherein the latching means for the open position is a snap-action latching means, which provides a greater force of resistance opposing a further opening movement of the cap than a closing movement.
7. The device as claimed in claim 1, wherein there are two chambers.

8. A discharging device for use of the device as claimed in claims 1, wherein stop faces which restrict a movement in the discharging direction, to be precise a first stop face for the cartridge and a second stop face for the cap in the open state.

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9. The discharging device as claimed in claim 8, wherein it has an adapter for use with grippers for other cartridges.

10. The discharging device as claimed in claim 1, wherein it has a means for distributing the discharged multi-component composition.

11. The discharging device as claimed in claim 10, wherein the means for distributing the discharged multi-component composition is formed in one piece with the outlet tube.

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12. The discharging device as claimed in claim 10, wherein the means for distributing the finished multi-component composition is detachably fitted onto the outlet tube.

20 13. The discharging device as claimed in claim 10, wherein the means for distributing the finished multi-component composition is selected from the group consisting of a brush, a small sponge, a nozzle and a spatula.

14. The device as claimed in claim 2, wherein the mixing helix is flexible.

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15. The device as claimed in claim 2, comprising latching means for the closed and open positions.

30 16. The device as claimed in claim 3, comprising latching means for the closed and open positions.

17. The device as claimed in claim 5, wherein the latching means for the open position is a snap-action latching means, which provides a greater force

of resistance opposing a further opening movement of the cap than a closing movement.

18. The device as claimed in claim 2, wherein there are two chambers.

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19. The device as claimed in claim 3, wherein there are two chambers.

20. The device as claimed in claim 4, wherein there are two chambers.